

REMARKS/ARGUMENTS

1.) Claim Rejections – 35 U.S.C. § 102

The Examiner rejected claims 1, 2, 9-14, 19-23, and 26-28 under 35 U.S.C. § 102(e) as being anticipated by Yu et al (US2004/0076239).

2.) Claim Rejections – 35 U.S.C. § 103(a)

The Examiner rejected claims 3-8, 15-18, 24 and 25 under 35 U.S.C. § 103(a) as being unpatentable over Yu et al. (US 2004/0076239) in view of Magee (US 2003/0076904).

3.) Remarks

The Examiner stated that, “Yu, as shown in Figure 1, teaches a receiver comprising a channel estimator (21) to determine an initial channel estimate and the initial channel estimate is scaled or biased (23, 24, 26) to be used for demodulating (22, 25, 27-29). See also paragraphs [0027]-[0032].”

Current independent claims 1, 11, 13, 21, 23, and 28 advantageously describe, among other elements, determining an initial channel estimate *from training symbols* that are received over a channel, *applying bias to the initial channel estimate to obtain a biased channel estimate that reduces error in an estimated channel response* compared to the initial channel estimate.

Yu in Figure 1 and in paragraphs [0027]-[0032] does **not** disclose each of the following elements that are described in one or more of the current independent claims:

- a) the use of training symbols to determine an initial channel estimate,
- b) applying bias to the initial channel estimate to obtain a biased channel estimate, and
- c) reducing an error in an estimated channel response compared to the initial channel estimate.

As such, the Applicant believes that independent claims 1, 11, 13, 21, 23, and 28, as well as the claims that depend from them, are in condition for allowance and respectfully request they be passed to allowance.

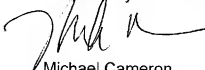
CONCLUSION

In view of the foregoing remarks, the Applicants believe all of the claims currently pending in the Application to be in a condition for allowance. The Applicants, therefore, respectfully request that the Examiner withdraw all rejections and issue a Notice of Allowance for claims 1-28.

The Applicants request a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

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Respectfully submitted,



Michael Cameron
Registration No. 50,298

Ericsson Inc.
6300 Legacy Drive, M/S EVR 1-C-11
Plano, Texas 75024

(972) 583-4145
michael.cameron@ericsson.com